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                 Index
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NEWS 16 Dec 17 WELDASEARCH now available on STN
NEWS 17 Dec 17 STANDARDS now available on STN
NEWS 18 Dec 17 New fields for DPCI
NEWS 19 Dec 19 CAS Roles modified
NEWS 20 Dec 19 1907-1946 data and page images added to CA and CAplus
NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,
              CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
              AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
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STRUCTURE FILE UPDATES: 16 JAN 2002 HIGHEST RN 383858-27-3 DICTIONARY FILE UPDATES: 16 JAN 2002 HIGHEST RN 383858-27-3

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Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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=> file caplus

COST IN U.S. DOLLARS

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FILE COVERS 1907 - 18 Jan 2002 VOL 136 ISS 3 FILE LAST UPDATED: 16 Jan 2002 (20020116/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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185:28007 Fregration of immunosuppressurt N anyl bim-serine Latinose Barris Washama Firstners, David Editor Franchi, Sari & March Offens Walvestry of Nittinglam, US Walvestry of Nittinglam, US COEMS PIXXCD Latinose PIXXCD Latinose PIXXCD Latinose PIXXCD Latinose PIXXCD Latinose PIXXCD INVENTOR (S):

PATENT ASSIGNEE(S): SOURCE:

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KINL DATE LATENT MC APPLICATION NO. DATE WY 2001814401 A1 20013011 WE 2001 DE14 5 20018329 WE AE, AG, AM, AM, AT, AU, AE, BA, BB, FG, BP, FY, F2, "A, TH, 7', MTP, 2", "E, DE, EF, DM, DZ, EE, ES, FI, SB, GR, SE, SH, ЗΜ, HR, HP, ID, ID, IN, IS, TP, KE, KS, KE, KK, KZ, DJ, DK, DP, 1.5. LT. 10, EV, MA, MD, MR, MK, MN, MW, MX, MZ, NR, NZ, FL, FT, F", ST, JE, 36, SI, SY, SL, TY, TM, TN, TT, T2, "A, "5, "3, VN, YN, EA, CM, AM, AE, EY, RH, KE, MD, FF, TC, TM RW: CH, SM, KE, LE, MW, MC, CC, EL, EC, TZ, CG, ZW, AT, BE, CH, DE, DE, FO, FI. FP, NE, SE, IE, IT, LV, MY, NL. ET. SE, TF. PT. SE. TO, TI. TM. TA. AND TW. MIL. ME. TH. AS.

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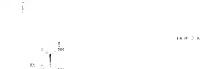
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is ANSWER 21 OF 58 CARLUS CORYRIGHT JOOU ATS (Continued)

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N _04250 64 A PAPLUS N _1 Dynnamide, erypt_pbyl-b-frypt.phyl-lign_lyl-lotrypt.phyl-Larminyl-L arminyl-N-(705) tetrabydr -2-x.-3-formyl/L-33TD -7A INCEX MAME

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19 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 AUF (Contamined)

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14 ANSWER 21 OF 58 CAPCUS COPYRIGHT 2002 ACC. (Continued) FASE . - 5

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19 ANSWER &1 OF 58 TARLES COPYRIGHT 2002 ACC (Continued)

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ES ANGMER 22 OF 88 CAPLUS COPYRIGHT 2002 AGS (Continued)

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13 ANSWER 32 OF 58 CAPTUS COPYRIGHT 3000 ATS 117 networks

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L9 ANSWER 25 OF 54 JAPOID (CEPYRIBHT 2012 ACS ACSCALLED TO MINERE): 12974394414 CAPINS DOMINENT NUMBER: 1271114145 LPARAMETER CONTROLLED TO LEARNING CONTROLLED Detecting and characterizing N woyleh m sering signal molecules by thin-layer for mathgraphy Shaw, Paul Lie Fing, Ga & Dally, Sean Lie Tha, AUTHOR(3): Thung: Trinan, 1 hn E., (r.) Runehart, Fenneth Lir Stephen K. Departments Trip Stiennes, Themsetry, Mair &n 1-ty Biothemsetry, University Illin is, Triann, IL, CORP. PATE DOMESTED 61W6:, 5 196 165 Fire, Natl. Arad. Sci. V. S. A. (1947), 94 (2), 6036-6041 ** DEN: PNASA6; ISSN: 0027-6424 National Anademy of Sciences PUBLISHER: PUBLICATION

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TITLE:

Preparation of Septal openin derivatives for use

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INVENTOR (SV)

Weids, Vist Aichter, Hanss Ylannak ut s. Te 736 Fetros Runts, Valer: F. H. Thmund-La F the An. Owitz. Err fat. Agit, 48 pg. TOLINE BEAGEV Eaten.

FATENT ASSIGNEE(S): COVETE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NEM. COUNT: PATENT INFORMATION: PATENT NO.

PRICEITY AFFLM. INFO.:

FIND DATE APPLICATION NO. DATE EF 751673 AL 10270312 EF 1006-117008 1306010, R: AT, RE, TH, DE, DE, ES, FI, FE, RF, RF, LE, LT, LL, LY, MT.

R: AT, FE, CA (0-07515 UC 440441 I'A 2184331 I'A 2184331 IN 1150740 UN 1040778 EG 9332578 EG 9332578 EG 9404774 EGTY AFELIN, INFO A 10070412 A 10180009 AB 10170313 AB 1049049 E 11070414 A 10070614 A 10070614 A 10170605 A 10180525 A 10180525 TR 1996/142254 19990-02 BR 1996-9794 19960012 BR 1995-114403 A 19960012 BR 1995-114304 A 19960012

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is answer 26 of 58 Captus Colyright 2002 ACS (Continued)

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14 ANSWER 30 OF 54 CAPPING TOTAL THE DROPE AND THE CALL AND

RN | 189217 98 2 | TAPOUS |TN | Pentanamide, |5-[(amin_imin_merhy)]amin/]/2-[(4 [(3-amin_pi_py)]amin_] | 5-

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is answer 30 of 58 Capins Coffeight 2002 Ans (Continued)

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Stewart, Gord in Sydney Anders in Burnies Williams,

University f Nettinikam, UK FOT Int. Appl., 26 pp. CODEN: FIXXL2 Fatent FATENT ASSISNEE(S): SCURCE:

DECIMENT TYPE: Fatent
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T2 1994[2]T #F 1994-90;372 [M94070]
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L9 ANSWER 42 OF 55 CAPLUS COPYRIGHT 2002 AZS (Continued)

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INVENTOR(S):
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Sigman FATENT ASSIGNER(S): Merck and Co., Inc., "S FCT Int. Appl., 70 pp. GCOBEN: FIXXD2 Patent English 300 RCE: DOCUMENT TYPE:

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FATENT NO. KING DATE APPLICATION NO. DATE WO 9499786 AL 19940511 W 1993.0310984 19941028 WH AND SE, EB, EB, EY, PA, CT, ET, HT, TE, EB, EG, EK, LV, MS, MW, NC, N2, F1, F3, RC, SE, SE, CA, C3, C5 RW: AT, SE, CH, CE, CF, ER, FR, GB, SE, IE, IT, LC, MC, NL, FT.

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proption in Several steps for a N-tert-but-xy-arbonyl-1-ps.leutone and 1-h.m.serine

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ANSWER 44 OF 58 PAPLOS POSYSTEMS 2000 ACS (Postshord)

EN 156876-46-9 CAPIDS

ON 3-00tenamide, 5 [(2 amichi-3-mercuptopropi) amin 1-c-ethyl-6-methyloN (cetrahydro-2-x--3-furany)-- [(5](H-200) Mishrish, 647]) (5 1)

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13 ANSWER 44 OF 58 CAPTY TOTAL DEC 2001 A 2 1 Control of

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BB. 156476-57-2 CARLYS CM. Chranatte, followson. "Remark propyllams. [In mothly 1.2 pt. pyl. N. Steffinskyl." Comp. 2 of N. Steffinskyl. Phys. Rev. Lett. 1015. (2011). INA. MNTES. NaMe).

CH ANSWER 44 OF 58 CAPLUS COMPRISHE 2012 ACS (Continued)

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pg 187008-82-1 DALM'S 39 B-Jutetans e. 6.1(2 amin -)-mercapt pr pylamin() e-methyl-2-(1-methyl pyl Notetanbyte, 2 a * filesony); [52] SALESTIFY, NE.8P(ST).081[1]; trifle research (51) CPA INDEX NAMES

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19 ANSWER 45 OF 58 CAPINS CONTRIBUT 2002 ACS ACCESSION NUMBER: 1994555457 CAPINS LITTLES: 11915557 TITLE: B) another and special contributors.

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JP 04059794	A2	19926226	IF 1990 166749	19970424
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OTHER SOURCE(S): MARRAT 119:214916

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TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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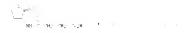
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FILE 'STNGUIDE' ENTERED AT 16:32:32 ON 18 JAN 2002

FILE 'REGISTRY' ENTERED AT 16:33:05 ON 18 JAN 2002 L10 17 S L2 NOT L6

FILE 'CAPLUS' ENTERED AT 16:33:29 ON 18 JAN 2002 L11 $$9\ S\ L10$$

FILE 'REGISTRY' ENTERED AT 16:34:10 ON 18 JAN 2002

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FILE COVERS 1907-1966 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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L6 ANSWER 296 OF 336 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1986:28848 CAPLUS

DOCUMENT NUMBER: 104:28848

TITLE: .alpha.-Amino-.gamma.-butyrolactone derivatives and

pharmaceutical compositions containing them

INVENTOR(S): Tessitore, Pietro Tomaso

PATENT ASSIGNEE(S): Laboratorio Farmaceutico CT S.r.l., Italy

SOURCE: Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

EP 151964 A2 19850821 EP 1985-100564 19850120

EP 151964 A3 19860305

R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE

PRIORITY APPLN. INFO.: IT 1984-19390 19840202

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O C O NH (CH₂) nCOR I

AB .alpha.~Amino-.gamma.-butyrolactone derivs. of formula I (where R = linear

or branched C4-8 alkyl; or R = ORl where R1 = linear or branched C1-5 alkyl; n = 0 when R = alkyl; n = 1-5 when R = ORl) are prepd. and tested for their anticonvulsant, antiepileptic, and sedative actions. Thus, .alpha.-amino-.gamma.-butyrolactone, dissolved in pyridine, reacted with PrCOCl at 0.degree. to form .alpha.-butyrylamino-.gamma.-butyrolactone (II), which had an LD50 in rats of >2 g/kg. The highest oral dose produced a sedative effect but did not cause loss of the righting reflex; however, the sedative effect was obtained with the lowest i.p. dose and

l g/kg the righting reflex was lost. II was effective in protecting mice from death caused by strychnine injection and was as effective as phenobarbital in protecting mice from electroshock.

IT 98426-48-3P 99063-14-6P 99740-62-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as central nervous system depressant and for treatment of
alcoholism)

RN 98426-48-3 CAPLUS

CN Butanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

NH · C · Pr-n

RN 99063-14-6 CAPLUS

CN Pentanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 99740-62-2 CAPLUS

CN Propanamide, 2-methyl-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX

NAME)

L6 ANSWER 291 OF 336 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1987:99288 CAPLUS

DOCUMENT NUMBER: 106:99288

TITLE: Analogs of the autoinducer of bioluminescence in

Vibrio fischeri

AUTHOR(S): Eberhard, Anatol; Widrig, Cindra A.; McBath, Paula;

Schineller, Jeffrey B.

CORPORATE SOURCE: Dep. Chem., Ithaca Coll., Ithaca, NY, 14850, USA

SOURCE: Arch. Microbiol. (1986), 146(1), 35-40

CODEN: AMICCW; ISSN: 0302-8933

DOCUMENT TYPE: Journal LANGUAGE: English

AB The enzymes for luminescence in V. fischeri are induced only when a sufficient concn. of a metabolic product (autoinducer) specifically produced by this species accumulates. It has previously been shown that the autoinducer is 3-oxohexanoyl homoserine lactone and that it enters

the

cells by simple diffusion. To further study the mechanism of induction, several analogs of the autoinducer were synthesized and tested with V. fischeri for their inducing activity and for their ability to inhibit the action of the natural autoinducer. The compds. displayed various combinations of inducing and inhibiting abilities. None of the compds. tested appeared to have any effect on cells of V. harveyi strain MAV or Photobacterium leiognathi strain 721, but several of the compds.

decreased

light output by P. phosphoreum strain 8265. These studies show (1) the site of action of the autoinducer is not highly sterically constrained, (2) the autoinducers of other species of luminous bacteria are likely to be quite different from that of V. fischeri, and (3) a simple mode in which one autoinducer mol. binds to a single receptor protein site and thus, initiates luciferase synthesis if inadequate. The analogs should prove useful in the study of the binding site and mode of action of the autoinducer.

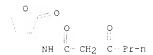
IT 76924-95-3

RL: BIOL (Biological study)

(bioluminescence by Vibrio fischeri induction by, analogs effect on)

RN 76924-95-3 CAPLUS

CN Hexanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9C1) (CA INDEX NAME)



TT 76924-95-3D, derivs. 98318-13-9 98426-48-3
99063-14-6 106983-26-0 106983-27-1
106983-28-2 106983-29-3 106983-30-6
106983-31-7 106983-32-8 106983-33-9
106983-34-0 106983-35-1 106983-36-2
106999-81-9

RL: BAC (Biological activity or effector, except adverse); BIOL (Biological study)

(bioluminescence by Vibrio fischeri response to)

RN 76924-95-3 CAPLUS CN Hexanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 98318-13-9 CAPLUS CN 4-Hexenamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

0 0 NH C-CH₂-C CH--CH-Me

RN 98426-48-3 CAPLUS CN Butanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

O O NH-C-Pr-n

RN 99063-14-6 CAPLUS CN Pentanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

O MH C - Bu-n

RN 106983-26-0 CAPLUS
CN Heptanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

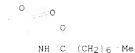
O (CH2)5 Me

RN 106983-27-1 CAPLUS CN Octanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-28-2 CAPLUS
CN Hexanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-29-3 CAPLUS
CN Butanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-30-6 CAPLUS
CN Octanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)



RN 106983-31-7 CAPLUS
CN Octanamide, 2-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-32-8 CAPLUS CN Nonanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-33-9 CAPLUS CN Butanamide, 2-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-34-0 CAPLUS
CN Butanoic acid, 4-oxo-4-[(tetrahydro-2-oxo-3-furanyl)amino]-, methyl ester
(9CI) (CA INDEX NAME)

RN 106983-35-1 CAPLUS
CN Hexanamide, 2-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-36-2 CAPLUS CN Decanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106999-81-9 CAPLUS CN Hexanamide, 5-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)